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April 30, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of March 2020.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

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Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		March 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	96,602,620
	MWH sales:		
2	Total System Sales		4,793,325
3	Less intersystem sales		242,171
4	Total sales less intersystem sales		4,551,154
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.1226
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.5038
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		233,017
8	Oil		986
9	Natural Gas - Combustion Turbine		198,698
10	Natural Gas - Combined Cycle		1,486,370
11	Biogas		1,544
12	Total Fossil		1,920,615
13	Nuclear		2,006,698
14	Hydro - Conventional		73,324
15	Solar Distributed Generation		19,038
16	Total MWH generation		4,019,675

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		March 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	9,364,725
0501310 fuel oil consumed - steam		215,303
Total Steam Generation - Account 501		9,580,028
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		11,643,238
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		4,181,862
0547000 natural gas capacity - Combustion Turbine		895,566
0547000 natural gas consumed - Combined Cycle		29,621,379
0547000 natural gas capacity - Combined Cycle		11,090,402
0547106 biogas consumed - Combined Cycle		70,544
0547200 fuel oil consumed		23,785
Total Other Generation - Account 547		45,883,537
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		29,221,734
Fuel and fuel-related component of DERP purchases		35,829
PURPA purchased power capacity		3,662,161
DERP purchased power capacity		8,258
Total Purchased Power and Net Interchange - Account 555		32,927,983
Less:		
Fuel and fuel-related costs recovered through intersystem sales		3,915,892
Solar Integration Charge		100
Total Fuel Credits - Accounts 447/456		3,915,992
Total Costs Included in Base Fuel Component	$	96,118,795
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	195
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		511,642
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		18,237
Less emissions expense recovered through intersystem sales - Account 447		9,775
Total Costs Included in Environmental Component		483,825
Fuel and Fuel-related Costs excluding DERP incremental costs	$	96,602,620
DERP Incremental Costs		206,974
Total Fuel and Fuel-related Costs	$	96,809,594

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

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Description		March 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	4,022
Shared Solar Program		583
Total DERP Avoided Costs		4,604
DERP Incremental Costs		
Purchased Power Agreements		429
DERP NEM Incentive		82,673
Solar Rebate Program - Amortization		47,337
Solar Rebate Program - Carrying Costs		40,459
Shared Solar Program		2,039
NEM Avoided Capacity Costs		3,328
NEM Meter Costs		8,776
General and Administrative Expenses		21,919
Interest on under-collection due to cap		16
Total DERP Incremental Costs	$	206,974

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

MARCH 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
DE Carolinas - Emergency	$ 11,826	-	500	$ 7,214	$ 4,612
Dominion Energy South Carolina - Emergency	5,150	-	103	3,142	2,008
Broad River Energy, LLC.	1,627,028	$ 996,440	10,226	630,588	-
City of Fayetteville	687,231	702,000	-	(14,769)	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	2,872,255	2,635,688	6,663	236,567	-
PJM Interconnection, LLC.	528	-	-	528	-
Southern Company Services	2,760,936	687,323	94,186	2,073,613	-
DE Carolinas - Native Load Transfer	3,278,662	-	193,690	3,303,053	(24,391)
DE Carolinas - Native Load Transfer Benefit	638,770	-	-	638,770	-
DE Carolinas - Fees	(5,573)	-	-	(5,573)	-
Energy Imbalance	4,608	-	270	4,208	400
Generation Imbalance	651	-	47	397	254
	$ 11,910,622	**$ 5,050,001**	**305,685**	**$ 6,877,738**	**$ (17,117)**
Act 236 PURPA Purchases					
Renewable Energy	$ 13,061,139	-	205,875	$ 13,061,139	-
DERP Qualifying Facilities	44,087	-	917	44,087	-
Other Qualifying Facilities	12,945,019	-	270,356	12,945,019	-
	$ 26,050,245	-	**477,148**	**$ 26,050,245**	-
Total Purchased Power	**$ 37,960,867**	**$ 5,050,001**	**782,833**	**$ 32,927,983**	**$ (17,117)**

NOTE: Detail amounts may not add to totals shown due to rounding.

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DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

MARCH 2020

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 898,429	$ 652,500	9,474	$ 154,690	$ 91,239
PJM Interconnection, LLC.	238,782	-	18,913	279,552	(40,770)
Other:					
DE Carolinas - Native Load Transfer Benefit	$ 546,006	-	-	$ 546,006	-
DE Carolinas - Native Load Transfer	3,130,805	-	213,775	2,963,656	$ 167,149
Generation Imbalance	-	-	9	-	-
Total Intersystem Sales	**$ 4,814,022**	**$ 652,500**	**242,171**	**$ 3,943,904**	**$ 217,618**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

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Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
March 2020

Schedule 4
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Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,551,154,460
2	DERP Net Metered kWh generation	Input					2,529,301
3	Adjusted System kWh sales	L1 + L2					4,553,683,761
4	Actual S.C. Retail kWh sales	Input	160,747,771	19,338,767	288,843,264	6,409,708	475,339,510
5	DERP Net Metered kWh generation	Input	1,015,809	18,350	1,495,142		2,529,301
6	Adjusted S.C. Retail kWh sales	L4 + L5	161,763,580	19,357,117	290,338,406	6,409,708	477,868,811
7	Actual S.C. Demand units (kw)	L32 / 31b *100			674,640		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$80,426,378
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$81,216
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$80,507,744
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.768
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$2,859,933	$342,228	$5,133,098	$113,322	$8,448,581
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($42,985)	($4,240)	($33,991)	$0	($81,216)
14	S.C. Retail portion of incurred system expense	L12 + L13	$2,816,948	$337,988	$5,099,107	$113,322	$8,367,365
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.075	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,336,169	$401,279	$5,993,498	$133,001	$9,863,947
17	DERP NEM incentive - fuel component	Input	($8,159)	($805)	($6,452)	$0	($15,416)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,328,010	$400,474	$5,987,046	$133,001	$9,848,531
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($511,062)	($62,486)	($887,939)	($19,679)	($1,481,166)
20	Adjustment	Input	$ 11,014	$ 1,580	$ (12,594)	$ -	$0
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($500,048)	($60,906)	($900,533)	($19,679)	($1,481,166)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.538	0.441			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			101		
23	Incurred S.C. base fuel - capacity expense	Input	$865,002	$85,329	$684,018		$1,634,349
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,112,588	$100,948	$ 620,666	$0	$1,834,202
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($247,586)	($15,619)	$63,352	$0	($199,853)
27	Adjustment	Input	($294,756)	($42,265)	$337,021		$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($542,342)	($57,884)	$400,373	$0	($199,853)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.017	0.014			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			3		
30	Incurred S.C. environmental expense	Input	$26,745	$2,638	$21,149		$50,532
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$119,719	$11,023	67,464		$198,206
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($92,974)	($8,385)	($46,315)	$0	($147,674)
34	Adjustment	Input	($4,950)	($709)	$5,659		$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($97,924)	($9,094)	($40,656)	$0	($147,674)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.001			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.286		
37	Incurred S.C. DERP avoided cost expense	Input	$2,437	$240	$1,927		$4,604
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$4,789	$580	$0		$5,369
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($2,352)	($340)	$1,927	$0	($765)
41	Adjustment	Input	($512)	($74)	$586		$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($2,864)	($414)	$2,513	$0	($765)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($1,143,178)	($128,298)	($538,303)	($19,679)	($1,829,458)

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Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
March 2020

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
July 2019 - actual	11,960,164	30,794	2,958	104,254	1,609	139,615
August 2019 - actual	12,138,158	50,982	6,141	118,902	1,969	177,994
September 2019 - actual	12,149,907	(5,068)	(2,111)	18,664	264	11,749
October 2019 - actual	11,737,925	(133,360)	(23,159)	(250,457)	(5,006)	(411,982)
November 2019 - actual	13,112,022	421,754	66,634	865,157	20,552	1,374,097
December 2019 - actual	12,259,051	(336,447)	(44,004)	(461,528)	(10,992)	(852,971)
January 2020 - actual	10,208,145	(755,940)	(93,126)	(1,176,828)	(25,012)	(2,050,906)
February 2020 - actual	8,184,894	(732,132)	(88,726)	(1,177,655)	(24,738)	(2,023,251)
March 2020 - actual	6,703,728	(500,048)	(60,906)	(900,533)	(19,679)	(1,481,166)
_/5 April 2020 - forecast	4,554,218	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
_/5 May 2020 - forecast	3,382,805	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/5 June 2020 - forecast	$ 3,213,707	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
July 2019 - actual	1,259,813	196,610	25,312	193,762	0	415,684
August 2019 - actual	2,465,773	642,873	56,685	506,402	0	1,205,960
September 2019 - actual	2,674,275	77,548	(4,581)	135,535	0	208,502
October 2019 - actual	2,816,302	164,898	(4,727)	(18,144)	0	142,027
November 2019 - actual	3,042,516	180,886	3,234	42,094	0	226,214
December 2019 - actual	2,626,937	(315,125)	(20,869)	(79,585)	0	(415,579)
January 2020 - actual	2,407,032	(191,220)	(3,230)	(25,455)	0	(219,905)
February 2020 - actual	2,280,575	(128,799)	4,896	(2,554)	0	(126,457)
March 2020 - actual	2,080,722	(542,342)	(57,884)	400,373	0	(199,853)
_/5 April 2020 - forecast	2,464,389	256,657	19,529	107,481	0	383,667
_/5 May 2020 - forecast	2,817,628	350,538	12,041	(9,340)	0	353,239
_/5 June 2020 - forecast	$ 2,794,948	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
July 2019 - actual	585,999	35,423	4,025	30,616	0	70,064
August 2019 - actual	533,582	(41,088)	(5,683)	(5,646)	0	(52,417)
September 2019 - actual	496,704	(27,209)	(4,454)	(5,215)	0	(36,878)
October 2019 - actual	392,969	(54,170)	(8,236)	(41,329)	0	(103,735)
November 2019 - actual	331,861	(32,108)	(5,216)	(23,784)	0	(61,108)
December 2019 - actual	287,628	(33,088)	(2,358)	(8,787)	0	(44,233)
January 2020 - actual	105,066	(116,838)	(10,597)	(55,127)	0	(182,562)
February 2020 - actual	(86,729)	(121,869)	(10,943)	(58,983)	0	(191,795)
March 2020 - actual	(234,403)	(97,924)	(9,094)	(40,656)	0	(147,674)
_/5 April 2020 - forecast	(390,196)	(91,875)	(10,585)	(53,333)	0	(155,793)
_/5 May 2020 - forecast	(522,645)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/5 June 2020 - forecast	$ (595,735)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,288					
March 2019 - actual	17,381	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,608	1,112	352	2,763	0	4,227
May 2019 - actual	24,699	471	253	2,367	0	3,091
June 2019 - actual	28,250	252	306	2,993	0	3,551
July 2019 - actual	25,974	(3,344)	(290)	1,358	0	(2,276)
August 2019 - actual	21,827	(4,411)	(739)	1,003	0	(4,147)
September 2019 - actual	24,134	(329)	(311)	2,947	0	2,307
October 2019 - actual	24,317	(1,209)	(413)	1,805	0	183
November 2019 - actual	23,299	(1,750)	(409)	1,141	0	(1,018)
December 2019 - actual	18,628	(4,610)	(610)	549	0	(4,671)
January 2020 - actual	13,562	(4,856)	(607)	397	0	(5,066)
February 2020 - actual	12,639	(2,298)	(326)	1,701	0	(923)
March 2020 - actual	11,874	(2,864)	(414)	2,513	0	(765)
_/5 April 2020 - forecast	18,102	3,649	170	2,409	0	6,228
_/5 May 2020 - forecast	24,613	4,259	157	2,095	0	6,511
_/5 June 2020 - forecast	$ 28,841	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
March 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	109,544	57,849	39,581	$206,974
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$138,768	$65,005	$26,330	$230,103
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($29,224)	($7,156)	$13,251	($23,129)
48	Adjustment	Input	$1,626	($351)	($468)	$807
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($27,598)	($7,507)	$12,783	($22,322)

Year 2019-2020 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
July 2019 - actual	95,723	46,757
August 2019 - actual	82,651	(13,072)
September 2019 - actual	85,703	3,052
October 2019 - actual	73,484	(12,219)
November 2019 - actual	65,969	(7,515)
December 2019 - actual	60,038	(5,931)
January 2020 - actual	55,571	(4,467)
February 2020 - actual	45,019	(10,552)
March 2020 - actual	22,697	(22,322)
_/5 April 2020 - forecast	64,338	41,641
_/5 May 2020 - forecast	108,457	44,119
_/5 June 2020 - forecast	$156,831	$48,374

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of 2.090 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .697 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/19 approved residential rate of .075 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .003 and RECD 5% discount.
_/5 Forecast amounts based on low end of range of expected fuel rates.

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Duke Energy Progress
Fuel and Fuel Related Cost Report
March 2020

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$2,420,963	$7,824,994	-	-	-	-	-
Oil	204,995	14,078	$3,465	-	-	-	-
Gas - CC	-	-	4,725,951	$9,361,202	$11,514,782	$15,109,846	-
Gas - CT	-	-	1,856,581	2,804,626	416,159	-	-
Biogas	-	-	-	404,835	-	-	-
Total	$2,625,958	$7,839,072	$6,585,997	$12,165,828	$11,930,941	$15,109,846	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	392.25	414.98	-	-	-	-	-
Oil	1,318.64	1,357.57	-	-	-	-	-
Gas - CC	-	-	423.17	319.30	406.82	345.22	-
Gas - CT	-	-	332.10	318.05	447.68	-	-
Biogas	-	-	-	2,697.10	-	-	-
Weighted Average	415.01	415.49	392.79	329.30	408.12	345.22	-
Cost of Fuel Burned ($)							
Coal	$2,306,334	$7,058,391	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	139,059	76,244	$1,792	-	-	-	$4,939
Gas - CC	-	-	4,725,951	$9,361,202	$11,514,782	$15,109,846	-
Gas - CT	-	-	1,856,581	2,804,626	416,159	-	-
Biogas	-	-	-	404,835	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	$2,445,393	$7,134,635	$6,584,324	$12,570,663	$11,930,941	$15,109,846	$4,939
Average Cost of Fuel Burned (¢/MBTU)							
Coal	343.97	345.74	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,423.91	1,448.68	1,367.94	-	-	-	1,685.55
Gas - CC	-	-	423.17	319.30	406.82	345.22	-
Gas - CT	-	-	332.10	318.05	447.68	-	-
Biogas	-	-	-	2,697.10	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	359.48	348.58	392.87	328.34	408.12	345.22	1,685.55
Average Cost of Generation (¢/kWh)							
Coal	4.08	4.00	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	16.88	16.43	16.57	-	-	-	-
Gas - CC	-	-	2.92	2.85	2.90	2.52	-
Gas - CT	-	-	4.03	1.95	4.28	-	-
Biogas	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	4.26	4.03	3.17	2.66	2.94	2.52	-
Burned MBTU's							
Coal	670,496	2,041,525	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	9,766	5,263	131	-	-	-	293
Gas - CC	-	-	1,116,797	2,931,744	2,830,444	4,376,842	-
Gas - CT	-	-	559,045	881,811	92,958	-	-
Biogas	-	-	-	15,010	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	680,262	2,046,788	1,675,973	3,828,565	2,923,402	4,376,842	293
Net Generation (mWh)							
Coal	56,570	176,447	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	824	464	11	-	-	-	(88)
Gas - CC	-	-	161,897	328,030	396,470	599,973	-
Gas - CT	-	-	46,053	143,798	9,719	-	-
Biogas	-	-	-	1,544	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	57,394	176,911	207,961	473,372	406,189	599,973	(88)
Cost of Reagents Consumed ($)							
Ammonia	$9,305	$45,466	-	$21,317	-	-	-
Limestone	93,028	194,463	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	62,552	85,511	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	$164,885	$325,440	-	$21,317	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Asheville Steam was retired effective January 29, 2020.

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Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME March 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$10,245,957	$346,278,799
Oil	-	-	-	$42	$12,658	-	235,238	12,051,112
Gas - CC	-	-	-	-	-	-	40,711,781	532,121,009
Gas - CT	$10	$28	$24	-	-	-	5,077,428	90,464,471
Biogas	-	-	-	-	-	-	404,835	2,449,337
Total	$10	$28	$24	$42	$12,658	-	$56,675,239	$983,364,728
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	409.37	343.77
Oil	-	-	-	-	1,223.00	-	1,335.21	1,482.46
Gas - CC	-	-	-	-	-	-	361.70	375.66
Gas - CT	333.33	17.95	-	-	-	-	331.00	364.34
Biogas	-	-	-	-	-	-	2,697.10	2,817.08
Weighted Average	333.33	17.95	-	-	1,223.00	-	370.09	366.82
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$9,364,725	$311,732,857
Oil - CC	-	-	-	-	-	-	-	525,645
Oil - Steam/CT	-	-	$17,054	-	-	-	239,088	10,305,123
Gas - CC	-	-	-	-	-	-	40,711,781	532,121,009
Gas - CT	$10	$28	24	-	-	-	5,077,428	90,464,471
Biogas	-	-	-	-	-	-	404,835	2,449,337
Nuclear	-	-	-	$4,451,280	$3,888,768	$3,303,190	11,643,238	175,626,195
Total	$10	$28	$17,078	$4,451,280	$3,888,768	$3,303,190	$67,441,094	$1,123,224,637
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	345.30	342.62
Oil - CC	-	-	-	-	-	-	-	1,568.39
Oil - Steam/CT	-	-	1,590.86	-	-	-	1,446.82	1,436.22
Gas - CC	-	-	-	-	-	-	361.70	375.66
Gas - CT	333.33	17.95	-	-	-	-	331.00	364.34
Biogas	-	-	-	-	-	-	2,697.10	2,817.08
Nuclear	-	-	-	55.89	56.40	55.67	56.00	58.34
Weighted Average	333.33	17.95	1,593.10	55.89	56.40	55.67	185.65	200.80
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.02	3.72
Oil - CC	-	-	-	-	-	-	-	15.77
Oil - Steam/CT	-	-	-	-	-	-	24.25	18.49
Gas - CC	-	-	-	-	-	-	2.74	2.74
Gas - CT	-	-	-	-	-	-	2.56	3.85
Biogas	-	-	-	-	-	-	26.22	20.36
Nuclear	-	-	-	0.60	0.57	0.56	0.58	0.61
Weighted Average	-	-	-	0.60	0.57	0.56	1.68	1.87
Burned MBTU's								
Coal	-	-	-	-	-	-	2,712,021	90,985,978
Oil - CC	-	-	-	-	-	-	-	33,515
Oil - Steam/CT	-	-	1,072	-	-	-	16,525	717,518
Gas - CC	-	-	-	-	-	-	11,255,827	141,650,895
Gas - CT	3	156	-	-	-	-	1,533,973	24,829,552
Biogas	-	-	-	-	-	-	15,010	86,946
Nuclear	-	-	-	7,964,872	6,894,876	5,933,271	20,793,019	301,060,528
Total	3	156	1,072	7,964,872	6,894,876	5,933,271	36,326,375	559,364,932
Net Generation (mWh)								
Coal	-	-	-	-	-	-	233,017	8,371,720
Oil - CC	-	-	-	-	-	-	-	3,334
Oil - Steam/CT	(201)	-	(24)	-	-	-	986	55,733
Gas - CC	-	-	-	-	-	-	1,486,370	19,405,345
Gas - CT	(237)	(635)	-	-	-	-	198,698	2,350,810
Biogas	-	-	-	-	-	-	1,544	12,032
Nuclear	-	-	-	744,316	677,007	585,375	2,006,698	28,861,332
Hydro (Total System)							73,324	662,207
Solar (Total System)							19,038	258,435
Total	(438)	(635)	(24)	744,316	677,007	585,375	4,019,675	59,980,947
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$76,088	$1,980,709
Limestone	-	-	-	-	-	-	287,491	9,805,521
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	148,063	2,979,668
Urea	-	-	-	-	-	-	-	653,016
Total	-	-	-	-	-	-	$511,642	$15,418,914

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Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
March 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	575,815	1,186,269	-	-	-	-	-
Tons received during period	25,898	76,231	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	27,394	80,375	-	-	-	-	-
Ending balance	574,319	1,182,125	-	-	-	-	-
MBTUs per ton burned	24.48	25.40	-	-	-	-	-
Cost of ending inventory ($/ton)	84.19	87.70	-	-	-	-	-
Oil Data:							
Beginning balance	259,555	424,889	4,567,776	8,007,162	2,608,517	-	758,372
Gallons received during period	112,649	7,516	-	-	-	-	-
Miscellaneous use and adjustments	(388)	(7,516)	-	-	-	-	-
Gallons burned during period	70,951	38,094	856	-	-	-	2,087
Ending balance	300,865	386,795	4,566,920	8,007,162	2,608,517	-	756,285
Cost of ending inventory ($/gal)	1.96	2.00	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,623,167	3,681,099	2,823,091	4,226,526	-
MCF burned during period	-	-	1,623,167	3,681,099	2,823,091	4,226,526	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	14,493	-	-	-
MCF burned during period	-	-	-	14,493	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	13,075	123,479	5,379	-	-	-	-
Tons received during period	-	191	23	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	1,609	4,483	-	-	-	-	-
Ending balance	11,466	119,187	5,402	-	-	-	-
Cost of ending inventory ($/ton)	58.08	39.66	67.63	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.
Asheville Steam was retired effective January 29, 2020.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
March 2020

Schedule 6
Page 2 of 2

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME March 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,762,084	1,369,435
Tons received during period	-	-	-	-	-	-	102,129	3,993,739
Inventory adjustments	-	-	-	-	-	-	-	63,924
Tons burned during period	-	-	-	-	-	-	107,769	3,631,494
Ending balance	-	-	-	-	-	-	1,756,444	1,756,444
MBTUs per ton burned	-	-	-	-	-	-	25.17	25.05
Cost of ending inventory ($/ton)	-	-	-	-	-	-	86.32	86.32
Oil Data:								
Beginning balance	10,082,557	11,323,612	601,018	161,668	289,531	78,040	39,162,697	38,635,967
Gallons received during period	-	-	-	-	7,499	-	127,664	5,890,663
Miscellaneous use and adjustments	-	-	-	-	-	-	(7,904)	(172,779)
Gallons burned during period	-	-	7,660	3,800	-	-	123,448	5,194,842
Ending balance	10,082,557	11,323,612	593,358	157,868	297,030	78,040	39,159,009	39,159,009
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.32	2.32	2.32	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	3	151	-	-	-	-	12,354,037	161,208,866
MCF burned during period	3	151	-	-	-	-	12,354,037	161,208,866
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	14,493	84,148
MCF burned during period	-	-	-	-	-	-	14,493	84,148
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	141,933	84,576
Tons received during period	-	-	-	-	-	-	214	258,882
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	6,092	219,902
Ending balance	-	-	-	-	-	-	136,055	136,055
Cost of ending inventory ($/ton)	-	-	-	-	-	-	42.32	42.32

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Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

MARCH 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	12,929	792,414	61.29
	CONTRACT	12,969	934,292	72.04
	FIXED TRANSPORTATION/ADJUSTMENTS	-	694,257	-
	TOTAL	25,898	2,420,963	93.48
ROXBORO	SPOT	25,684	1,746,247	67.99
	CONTRACT	50,547	3,462,512	68.50
	FIXED TRANSPORTATION/ADJUSTMENTS	-	2,616,235	-
	TOTAL	76,231	7,824,994	102.65
ALL PLANTS	SPOT	38,613	2,538,661	65.75
	CONTRACT	63,516	4,396,804	69.22
	FIXED TRANSPORTATION/ADJUSTMENTS	-	3,310,492	-
	TOTAL	102,129	$ 10,245,957	$ 100.32

Note: Asheville Steam was retired effective January 29, 2020.

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Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

MARCH 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	7.68	12.59	11,916	0.72
ROXBORO	7.13	10.10	12,368	1.51

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DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

MARCH 2020

	HARRIS	MAYO	ROXBORO
VENDOR	Hightowers Petroleum Co.	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	7,499	112,649	7,516
TOTAL DELIVERED COST	$ 12,658	$ 204,995	$ 14,078
DELIVERED COST/GALLON	$ 1.69	$ 1.82	$ 1.87
BTU/GALLON	138,000	138,000	138,000

Notes: Sampling charges of $3,465 for the Asheville station as well as a price adjustment of $42 at the Brunswick station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 - March, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	**7,128,000**	**938**	**86.51**	**86.63**
Brunswick 2	**7,769,042**	**932**	**94.90**	**95.08**
Harris 1	**7,573,813**	**964**	**89.44**	**88.78**
Robinson 2	**6,390,477**	**746**	**97.59**	**93.36**

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,335,397	225	67.57	79.83
Lee Energy Complex	1B	1,324,225	227	66.41	79.42
Lee Energy Complex	1C	1,327,528	228	66.29	78.35
Lee Energy Complex	ST1	2,583,040	379	77.59	85.96
Lee Energy Complex	Block Total	6,570,190	1,059	70.63	81.62
Richmond County CC	7	1,238,043	194	72.65	84.85
Richmond County CC	8	1,207,755	194	70.87	83.83
Richmond County CC	ST4	1,402,448	182	87.72	92.23
Richmond County CC	9	1,111,924	216	58.60	67.03
Richmond County CC	10	1,126,860	216	59.39	67.38
Richmond County CC	ST5	1,517,693	248	69.67	72.67
Richmond County CC	Block Total	7,604,723	1,250	69.26	77.25
Sutton Energy Complex	1A	1,369,913	224	69.62	81.09
Sutton Energy Complex	1B	1,363,885	224	69.32	78.83
Sutton Energy Complex	ST1	1,669,503	271	70.13	86.87
Sutton Energy Complex	Block Total	4,403,301	719	69.72	82.57
Asheville CC	ACC CT5	442,184	122	41.29	95.33
Asheville CC	ACC CT7	212,473	109	22.35	97.81
Asheville CC	ACC ST6	188,230	47	45.83	91.08
Asheville CC	Block Total	842,887	278	34.65	95.54

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,309,878	746	19.99	78.39
Roxboro 2	1,338,613	673	22.64	72.78
Roxboro 3	2,360,440	698	38.50	78.81
Roxboro 4	2,074,949	711	33.22	75.61

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	521,985	192	37.30	95.85
Asheville 2	252,671	192	18.05	93.30
Roxboro 1	555,880	380	16.65	64.18

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	382,417	364	91.89
Blewett CT	-689	68	96.98
Darlington CT	20,462	767	91.00
Richmond County CT	1,620,095	934	88.42
Sutton Fast Start CT	211,140	98	90.80
Wayne County CT	130,617	963	94.81
Weatherspoon CT	-196	164	80.15

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-271	4.0	5.26
Tillery	214,200	84.0	84.85
Walters	448,699	113.0	68.08

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2019 through March, 2020
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months specified below, Asheville CC produced pre-commercial generation.

Production Month	Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
November 2019	Asheville	ST8	97	n/a	n/a	n/a
December 2019	Asheville	ST8	-	n/a	n/a	n/a
January 2020	Asheville	ST8	-	n/a	n/a	n/a
February 2020	Asheville	ST8	-	n/a	n/a	n/a
March 2020	Asheville	ST8	(487)	n/a	n/a	n/a

Notes:

Asheville CT5 and ST6 were placed in service during December 2019, and Asheville CT7 was placed in service during January 2020; pre-commercial generation for those units is presented on the Twelve Month Summary for Combined Cycle Units.